

QY 52 ---GAGTCCCTCGCAAGAGTAAAGAAATCTTCGACGCAAGAAATCCAC 5
 Db 26 LeuGluGlyProAlaLeuAlaGlyGlyProGluAlaLeuAlaGlyProHis 42

RESULT 2
 US-09-262-773-4 Application US/09262773
 ; Sequence 18251: Application US/09262773
 ; GENERAL INFORMATION:
 ; APPLICANT: Ballinger, Dennis G.
 ; APPLICANT: Hoeser, Mark A.
 ; APPLICANT: Magnus, Susanne
 ; APPLICANT: Hoeser, Mark A.
 ; TITLE OF INVENTION: CHROMOSOMES 11-LINKED CORONARY HEART DISEASE
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE CHD1
 ; FILE REFERENCE: Myriad 3
 ; CURRENT APPLICATION NUMBER: US/09/262,773
 ; CURRENT FILING DATE: 1999-03-04
 ; PRIOR FILING DATE: 1999-03-04
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 640
 ; TYPE: PRT
 ; ORGANISM: human
 ; DB: 1

Alignment Scores:
 Pred. No.: 1.65 Length: 640
 Score: 63.50 Matches: 16
 Percent Similarity: 66.6% Conservative: 8
 Best Local Similarity: 44.4% Mismatches: 7
 Query Match: 31.44% Indels: 3
 Gaps: 3
 DB: 3

US-09-513-999c-3792_COPY_51_161 (1-111) x US-09-262-773-4 (1-640)
 QY 110 GTAGAGAGCCATCTAGACACACAGAGACCAGG-----AGTTTACATACCGC 57
 Db 292 TiedingluPro---GluIuThrGluIuProGluIuLeuSerPheThrTyThrgly 310
 QY 56 CCCAGAGTCCCTCGCAAGAGTAAAGAAATCTTCGACGCAAGAT 9
 Db 311 AspArgSer-----LysAspGluGluIuLysLeuGluGluIuLeuP 324

RESULT 3
 US-09-262-773-2 Application US/09262773
 ; Sequence 2: Application US/09262773
 ; GENERAL INFORMATION:
 ; APPLICANT: Ballinger, Dennis G.
 ; APPLICANT: Ding, Wei
 ; APPLICANT: Hoeser, Mark A.
 ; APPLICANT: Hoeser, Mark A.
 ; TITLE OF INVENTION: CHROMOSOME 11-LINKED CORONARY HEART DISEASE
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE CHD1
 ; FILE REFERENCE: Myriad 3
 ; CURRENT APPLICATION NUMBER: US/09/262,773
 ; CURRENT FILING DATE: 1999-03-04
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 648
 ; TYPE: PRT
 ; ORGANISM: human
 ; DB: 1

Alignment Scores:
 Pred. No.: 1.65 Length: 648
 Score: 66.50 Matches: 16
 Percent Similarity: 66.6% Conservative: 8
 Best Local Similarity: 44.4% Mismatches: 7
 Query Match: 31.44% Indels: 5
 Gaps: 3
 DB: 3

US-09-513-999c-3792_COPY_51_161 (1-111) x US-09-262-773-2 (1-648)
 QY 110 GTAGAGAGCCATCTAGACACACAGAGACCAGG-----AGTTTACATACCGC 57
 Db 300 TiedingluPro---GluIuThrGluIuProGluIuLeuSerPheThrTyThrgly 318
 QY 56 CCCAGAGTCCCTCGCAAGAGTAAAGAAATCTTCGACGCAAGAT 9
 Db 319 AspArgSer-----LysAspGluGluIuLysLeuGluGluIuLeuP 332

RESULT 4
 US-09-252-991A-18825 Application US/09252991A
 ; Sequence 18825: Application US/09252991A
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107156.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR FILING DATE: 1999-02-18
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 18825
 ; LENGTH: 298
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; DB: 1

Alignment Scores:
 Pred. No.: 1.71 Length: 298
 Score: 53.00 Matches: 13
 Percent Similarity: 68.00% Conservative: 4
 Best Local Similarity: 52.00% Mismatches: 8
 Query Match: 30.29% Indels: 0
 Gaps: 0
 DB: 0

US-09-513-999c-3792_COPY_51_161 (1-111) x US-09-252-991A-18825 (1-298)
 QY 7 GAGCTCTTCCTCGCAGCATCTTCTTCCTGACGACACTCTCGGCGCGAGAT 66
 Db 158 GlyAlaLeuAlaLeuGluGluPheGlySerLeuGluGlyGlyArgPhe 177
 QY 67 GTAAAGACTCTCGGT 81
 Db 178 ValGluValAlaGly 182

RESULT 5
 US-09-399-889-25 Application US/08399889B
 ; Sequence 25: Application US/08399889B
 ; Patent No. 5973120
 ; GENERAL INFORMATION:
 ; APPLICANT: Rescorla, Stephen T
 ; APPLICANT: Morrison, Karen E
 ; APPLICANT: Hudson, Billy G
 ; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
 ; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
 ; CURRENT APPLICATION NUMBER: US/08/399,889B
 ; CURRENT FILING DATE: 1995-03-07
 ; EARLIER APPLICATION NUMBER: 07/421091
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 25
 ; LENGTH: 218
 ; TYPE: PRT
 ; ORGANISM: Human
 ; DB: 1

Alignment Scores:
 Pred. No.: 1.71 Length: 218
 Score: 53.00 Matches: 13
 Percent Similarity: 68.00% Conservative: 4
 Best Local Similarity: 52.00% Mismatches: 8
 Query Match: 30.29% Indels: 0
 Gaps: 0
 DB: 0


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; NUMBER OF SEQ ID NOS: 25
; TYPE: PROT
; SEQ ID NO 24
; SEQ ID NO 25
; TITLE: PT
; ORGANISM: Human
; ALIGNMENT SCORES:
; PRED. NO.: 3 7
; SCORE: 4.04
; MATCHES: 17
; BEST LOCAL SIMILARITY: 45.96%
; MISMATCHES: 11
; INDELS: 5
; GAPS: 3
; US-09-513-999C-3792_COPY_51_161 (1-111) X US-09-399-889-24 (1-268)
QY 3 GGGTGGATCTTTGGCTTCGAGATCTTTTTCACCTTTT-----GGAGGACTCT 53
DB 171 GYTPYLSerLeuTpyrGlyPheSerPheLeuPheThrSerAlaGlySerGlu 190
QY 54 GGSGCGGA--GTATGTAAATCTCGGCTCTGTGGTCTGGCTCATGTG 101
DB 191 GYALAGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 206
; RESULT 10
; US-09-399-889-24
; PATENT NO.: 6493140
; APPLICATION US/09589897
; GENERAL INFORMATION:
; APPLICANT: University of Kansas Medical Center
; TITLE OF INVENTION: Modifying Cell and Tissue Interactions
; FILE REFERENCE: 945251
; CURRENT APPLICATION NUMBER: US/09/589,987
; FILING DATE: 12-06-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; TYPE: PROT
; ORGANISM: Human
; US-09-513-999C-3792_COPY_51_161 (1-111) X US-09-399-889-24 (1-268)
QY 3 GGGTGGATCTTTGGCTTCGAGATCTTTTTCACCTTTT-----GGAGGACTCT 53
DB 171 GYTPYLSerLeuTpyrGlyPheSerPheLeuPheThrSerAlaGlySerGlu 190
QY 54 GGSGCGGA--GTATGTAAATCTCGGCTCTGTGGTCTGGCTCATGTG 101
DB 191 GYALAGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 206
; RESULT 11
; US-09-399-889-24
; SEQUENCE 2, Application US/09589898
; GENERAL INFORMATION:
; APPLICANT: Morfison, Karen E
; APPLICANT: Redders, Stephen T
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
; FILE REFERENCE: 951263A
; CURRENT APPLICATION NUMBER: US/09/399,889B
; FILING DATE: 09-07-02
; EARLIER FILING DATE: 1990-11-30
; NUMBER OF SEQ ID NOS: 11
; US-09-513-999C-3792_COPY_51_161 (1-111) X US-09-399-889-24 (1-268)
QY 3 GGGTGGATCTTTGGCTTCGAGATCTTTTTCACCTTTT-----GGAGGACTCT 53
DB 171 GYTPYLSerLeuTpyrGlyPheSerPheLeuPheThrSerAlaGlySerGlu 190
QY 54 GGSGCGGA--GTATGTAAATCTCGGCTCTGTGGTCTGGCTCATGTG 101
DB 191 GYALAGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 206
; RESULT 12
; US-09-167-364-24
; SEQUENCE 2, Application US/09167364
; GENERAL INFORMATION:
; APPLICANT: Redders, Stephen T
; APPLICANT: Hudson, Billy G
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
; FILE REFERENCE: 951263B
; CURRENT APPLICATION NUMBER: US/09/167,364
; FILING DATE: 1998-10-07
; EARLIER FILING DATE: 08/399889
; EARLIER FILING DATE: 1985-03-07
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 471
; TYPE: PROT
; ORGANISM: CalF
; US-09-167-364-24
; ALIGNMENT SCORES:
; PRED. NO.: 4 04
; SCORE: 60.50
; MATCHES: 17
; BEST LOCAL SIMILARITY: 45.96%
; MISMATCHES: 11
; INDELS: 5
; GAPS: 3
; US-09-513-999C-3792_COPY_51_161 (1-111) X US-09-167-364-24 (1-471)
QY 3 GGGTGGATCTTTGGCTTCGAGATCTTTTTCACCTTTT-----GGAGGACTCT 53
DB 374 GYTPYLSerLeuTpyrGlyPheSerPheLeuPheThrSerAlaGlySerGlu 393
QY 54 GGSGCGGA--GTATGTAAATCTCGGCTCTGTGGTCTGGCTCATGTG 101
DB 394 GYALAGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 409
; RESULT 13
; US-09-439-997-2
; SEQUENCE 2, Application US/09439897
; GENERAL INFORMATION:
; APPLICANT: Morfison, Karen E
; APPLICANT: Redders, Stephen T
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
; FILE REFERENCE: 951263A
; CURRENT APPLICATION NUMBER: US/09/399,889B
; FILING DATE: 09-07-02
; EARLIER FILING DATE: 1990-11-30
; NUMBER OF SEQ ID NOS: 11
; US-09-513-999C-3792_COPY_51_161 (1-111) X US-09-439-997-2 (1-471)
QY 3 GGGTGGATCTTTGGCTTCGAGATCTTTTTCACCTTTT-----GGAGGACTCT 53
DB 374 GYTPYLSerLeuTpyrGlyPheSerPheLeuPheThrSerAlaGlySerGlu 393
QY 54 GGSGCGGA--GTATGTAAATCTCGGCTCTGTGGTCTGGCTCATGTG 101
DB 394 GYALAGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 409

```

Search completed: October 29, 2003, 14:42:24
Job time : 21.5 secs

MOLECULE TYPE: DNA (genomic)
 ORIGIN: UNKNOWN
 ANTI-SENSE: UNKNOWN
 ORIGINAL SOURCE:
 ORGANISM: PORPHYROMONAS GINGIVALIS
 FEATURE: 1...536
 NAME/KEY: misc.feature
 LOCATION: 1...536
 US-09-221-0178-1081

Query Match 14.4%; Score 16; DB 4; Length 536;
 Best Local Similarity 100.0%; Pred. No. 22;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATCTTTTTCATTTT 41
 DB 287 ATTCCTTTTTCATTTT 272

RESULT 2

US-09-149-476-307 Application US/09149476;
 Sequence 307-149-476-307
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: 186 Human Secreted proteins
 CURRENT APPLICATION NUMBER: US/09/149,476
 CURRENT FILING DATE: 1998-09-08
 EARLIER APPLICATION NUMBER: PCT/US98/04493
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,152
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,333
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/038,621
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,626
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,334
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,336
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,163
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/047,600
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,615
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,597
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,502
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,633
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,583
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,617
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,618
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,503
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,592
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,581
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,584
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,500
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,587
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,492
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,598
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,613
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,582
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,596
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,612
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,632
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,601
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/043,580
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,568
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,314
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,569
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,311
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,671
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,674
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,669
 EARLIER FILING DATE: 1997-04-11
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 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,313
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,672
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/043,315
 EARLIER FILING DATE: 1997-04-11
 EARLIER APPLICATION NUMBER: 60/048,974
 EARLIER FILING DATE: 1997-06-06
 EARLIER APPLICATION NUMBER: 60/056,886
 EARLIER FILING DATE: 1997-06-06
 EARLIER APPLICATION NUMBER: 60/056,877
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,889
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,893
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,630
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,878
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,662
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,872
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,882
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,637
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,903
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,888
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,879
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,880
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,894
 EARLIER FILING DATE: 1997-08-22
 EARLIER APPLICATION NUMBER: 60/056,911

[illegible]

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: EARLIER APPLICATION NUMBER: 60/061,060
: EARLIER FILING DATE: 1997-10-02

Query Match      14.4%; Score 16; DB 4; Length 997;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Gaps 0;

QY      8 GATCTTTTCCTGCTCA 23
DB      662 GATCTTTTCCTGCTCA 677

RESULT 3
US-09-328-352-909/c
: Sequence 909, Application US/09328352
: Patent No. 6562950;
: APPLICANT: Gary L. Breton et al.
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
: TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
: CURRENT APPLICATION NUMBER: US/09/328,352
: CURRENT FILING DATE: 1999-06-04
: NUMBER OF SEQ ID NOS: 8232
: SEQ ID NO 1266
: LENGTH 1266
: TYPE: DNA
: ORGANISM: Acinetobacter baumannii
US-09-328-352-909
Query Match      14.4%; Score 16; DB 4; Length 1266;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Gaps 0;

QY      26 ATCTCTTTTCATCTTT 41
DB      616 ATCTCTTTTCATCTTT 601

RESULT 4
US-09-107-532A-3356
: Sequence 3356, Application US/09107532A
: Patent No. 6561270;
: APPLICANT: Lynn A Doucette-Stamm and David Bush
: TITLE OF INVENTION: ENTEROCOCCUS PASCII FOR DIAGNOSTICS AND THERAPEUTICS
: NUMBER OF SEQUENCES: 7310
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: GENOME THERAPEUTICS CORPORATION
: ADDRESS: 1000 Beaver Street
: CITY: Waltham
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIORITY:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: 14 May 1997
ATTORNEY/AGENT INFORMATION:
NAME: Axiniello, Pamela Beneke
REGISTRATION NUMBER: 40,489
FIRM, SERIAL AND CLASSIFICATION: GENOME TGC-012
TELECOMMUNICATION INFORMATION

```



```

/ TELEPHONE: (781)893-5007
/ TELEFAX: (781)893-8277
/ INFORMATION FOR SEQ ID NO: 3356:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1437 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: circular
/ MOLECULAR WEIGHT: 466 kDa (genomic)
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Enterococcus faecium
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (8) LOCATION 1...1437
/ SEQUENCE DESCRIPTION: SEQ ID NO: 3356:
US-107-532A-3356

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Query Match
Best Local Similarity 14.4%; Score 16; DB 4; Length 1437;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 19 TTCGCGATCTCTTTT 34
DB 212 TTCGCGATCTCTTTT 227

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RESULT 5
US-09-334-506-1
/ Sequence 1, Application US/09233506
/ Patent No. 6136580
/ GENERAL INFORMATION:
/ APPLICANT: Fukuda, Minoru
/ TITLE OF INVENTION: Novel Sialyltransferase
/ TITLE OF INVENTION: Core 2, Core 4 and 1 Branches
/ FILE REFERENCE: P-LU 3415
/ PRIOR APPLICATION NUMBER: US/09/233,506
/ CURRENT FILING DATE: 1998-06-17
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 1: 1128
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: CDS
/ LOCATION: (354) ..(1670)
US-09-233-506-1

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Query Match
Best Local Similarity 14.4%; Score 16; DB 3; Length 2128;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 8 GATCTCTCTCTCTCTCA 23
DB 1821 GATCTCTCTCTCTCTCA 1836

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RESULT 6
US-09-334-601-6/c
/ Sequence 6, Application US/09334601
/ Patent No. 6280989
/ GENERAL INFORMATION:
/ APPLICANT: YU, Robert
/ TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES
/ FILE REFERENCE: VCUIP-6
/ PRIOR APPLICATION NUMBER: US/09/334,601
/ CURRENT FILING DATE: 1998-06-17
/ NUMBER OF SEQ ID NOS: 94
/ SOFTWARE: PatentIn Ver. 2.0

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/ SEQ ID NO 6
/ LENGTH: 2178
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-334-601-6
Query Match
Best Local Similarity 14.4%; Score 16; DB 3; Length 2178;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 ATCTCTTTTCATCTTT 41
DB 2150 ATCTCTTTTCATCTTT 2135

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RESULT 7
US-09-334-601-1/c
/ Sequence 1, Application US/09334601
/ Patent No. 6280989
/ GENERAL INFORMATION:
/ APPLICANT: Kapitonov, Dmitri
/ TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES
/ FILE REFERENCE: VCUIP-6
/ PRIOR APPLICATION NUMBER: US/09/334,601
/ CURRENT FILING DATE: 1998-06-17
/ NUMBER OF SEQ ID NOS: 94
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 1: 2288
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: CDS
/ LOCATION: (29) ..(1282)
US-09-334-601-1

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Query Match
Best Local Similarity 14.4%; Score 16; DB 3; Length 2288;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 ATCTCTTTTCATCTTT 41
DB 2260 ATCTCTTTTCATCTTT 2245

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```

RESULT 8
US-09-425-488-7/c
/ Sequence 7, Application US/09425488
/ Patent No. 655571
/ GENERAL INFORMATION:
/ APPLICANT: Saito, Masaki
/ TITLE OF INVENTION: Sialyltransferase and DNA encoding the same
/ FILE REFERENCE: VCUIP-6
/ CURRENT APPLICATION NUMBER: US/09/425,488
/ CURRENT FILING DATE: 1999-10-22
/ PRIOR APPLICATION NUMBER: JP 9-184184
/ PRIOR APPLICATION DATE: 1997-08-08
/ PRIOR APPLICATION NUMBER: US 09/112,563
/ PRIOR FILING DATE: 1998-07-09
/ PRIOR APPLICATION NUMBER: JP 11-148603
/ NUMBER OF SEQ ID NOS: 12
/ SEQ ID NO 7: 2359
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: CDS
/ LOCATION: (278) ..(1363)
US-09-425-488-7

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```

Query Match
Best Local Similarity 14.4%; Score 16; DB 4; Length 2359;

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Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATTCTTTTCATCTTT 41
DB 2345 ATTCTTTTCATCTTT 2330

RESULT 9

US-07-746-705A-16
Sequence 16; Application US/07746705A
GENERAL INFORMATION:
APPLICANT: Matthews, Benjamin F.
APPLICANT: Weisenmann, Jane M.
TITLE OF INVENTION: A Recombinant DNA Molecule Encoding
TITLE OF INVENTION: A Recombinant Plant Enzyme: Aspartokinase and Homoserine
TITLE OF INVENTION: Dehydrogenase

NUMBER OF SEQUENCES: 16
CURRENT APPLICATION DATA: US/07746705A
CORRESPONDENCE ADDRESS: Gaetzer
STREET: Bldg. 005, Room 402, BARC-W
CITY: Beltsville
STATE: Maryland
COUNTRY: USA
ZIP: 20705

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/07746705A
APPLICATION NUMBER: US/07746705A
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Gaetzer, Janelle S.
REGISTRATION NUMBER: 35,024
TELEPHONE: (301)504-5676
TELEFAX: (301)504-5060
INFORMATION: PatentIn Release #1.0, Version #1.25
SEQUENCE CHARACTERISTICS: 16;
TYPE: NUCLEIC ACID
LENGTH: 2915 base pairs
TOPOLOGY: linear

MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
NAME/KEY: CDS
LOCATION: 2..2593
US-07-746-705A-16

Query Match 14.4%; Score 16; DB 1; Length 2915;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 CTTTCAGGAGCTTCT 53
DB 1977 CTTTCAGGAGCTTCT 1992

RESULT 10

US-08-380-182-18
Sequence 18; Application US/08380182
GENERAL INFORMATION:
APPLICANT: Weisenmann, Benjamin F.
APPLICANT: Weisenmann, Jane M.
TITLE OF INVENTION: A Bifunctional Protein From Carrots

TITLE OF INVENTION: (Daucus carota) with Aspartokinase and Homoserine
TITLE OF INVENTION: Dehydrogenase Activities

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS: Gaetzer
STREET: Room 411 Bldg. 005, BARC-W
CITY: Beltsville
STATE: Maryland
COUNTRY: USA
ZIP: 20705

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08380182
APPLICATION NUMBER: US/08380182
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Gaetzer, Janelle S.
REGISTRATION NUMBER: 35,024
TELEPHONE: (301)504-5676
TELEFAX: (301)504-5060
INFORMATION: PatentIn Release #1.0, Version #1.25
SEQUENCE CHARACTERISTICS: 18;
TYPE: nucleic acid
LENGTH: 2915 base pairs
TOPOLOGY: single

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
NAME/KEY: CDS
LOCATION: 2..2593
US-08-380-182-18

Query Match 14.4%; Score 16; DB 2; Length 2915;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 CTTTCAGGAGCTTCT 53
DB 1977 CTTTCAGGAGCTTCT 1992

RESULT 11

US-09-334-601-5/C
Sequence 5; Application US/09334601
GENERAL INFORMATION:
APPLICANT: Kapitonov, Dmitri
TITLE OF INVENTION: NOVEL STYLYLTRANSFERASES
FILE REFERENCE: VCUIP-6
CURRENT APPLICATION NUMBER: US/09334,601
CURRENT FILING DATE: 1999-06-17
NUMBER OF SEQUENCES: 5
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 3494
TOPOLOGY: linear
ORGANISM: Homo sapiens
US-09-334-601-5

Query Match 14.4%; Score 16; DB 3; Length 3494;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATTCCTTTCATCTT 41
 DB 3467 ATTCCTTTCATCTT 3452

RESULT 12 US-09-024-020B-1/5
 Sequence 1: Application US/09024020B
 Patent No. 6030810
 GENERAL INFORMATION:
 APPLICANT: DELGADO, STEPHEN G.
 APPLICANT: DELGADO, STEPHEN S.
 APPLICANT: FISH, LINDA M.
 APPLICANT: HERMAN, RONALD C.
 APPLICANT: SANGAMESWARAN, LAKSHMI
 TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
 SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: JANET PAULINE CLARK
 STREET: 3401 HILLAVIEN AVENUE, MS A2-250
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/425,043
 FILING DATE: 16-FEB-1998
 PRIORITY INFORMATION:
 PRIOR APPLICATION NUMBER: US 09/024,020
 FILING DATE: 16-FEB-1998
 FILING DATE: 16-FEB-1998
 FILING DATE: 16-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, JANET P.
 REGISTRATION NUMBER: 34,799
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 852-3097
 TELEFAX: (650) 855-5322
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS: 1:
 LENGTH: 5977 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: DNA (genomic)
 US-09-425-043-1

Query Match 14.4%; Score 16; DB 3; Length 5977;
 Best Local Similarity 100.0%; Pred. No. 23;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GTCTCTGTGTGGCTT 95
 DB 5814 GTCTCTGTGTGGCTT 5799

RESULT 13 US-09-024-020B-1/5
 Sequence 1: Application US/09024020B
 Patent No. 6030810
 GENERAL INFORMATION:
 APPLICANT: DELGADO, STEPHEN G.
 APPLICANT: DELGADO, STEPHEN S.
 APPLICANT: FISH, LINDA M.
 APPLICANT: HERMAN, RONALD C.
 APPLICANT: SANGAMESWARAN, LAKSHMI
 TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
 SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: JANET PAULINE CLARK
 STREET: 3401 HILLAVIEN AVENUE, MS A2-250
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/425,043
 FILING DATE: 16-FEB-1998
 PRIORITY INFORMATION:
 PRIOR APPLICATION NUMBER: US 09/024,020
 FILING DATE: 16-FEB-1998
 FILING DATE: 16-FEB-1997
 FILING DATE: 16-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, JANET P.
 REGISTRATION NUMBER: 34,799
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 852-3097
 TELEFAX: (650) 855-5322
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS: 1:
 LENGTH: 5977 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: DNA (genomic)
 US-09-425-043-1

Query Match 14.4%; Score 16; DB 3; Length 5977;
 Best Local Similarity 100.0%; Pred. No. 23;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GTCTCTGTGTGGCTT 95
 DB 5814 GTCTCTGTGTGGCTT 5799

RESULT 14 US-09-024-020B-2/c
 Sequence 2: Application US/09024020B
 Patent No. 6030810
 GENERAL INFORMATION:
 APPLICANT: DELGADO, STEPHEN G.
 APPLICANT: DELGADO, STEPHEN S.
 APPLICANT: FISH, LINDA M.
 APPLICANT: HERMAN, RONALD C.
 APPLICANT: SANGAMESWARAN, LAKSHMI
 TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
 SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: JANET PAULINE CLARK
 STREET: 3401 HILLAVIEN AVENUE, MS A2-250
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/425,043
 FILING DATE: 16-FEB-1998
 PRIORITY INFORMATION:
 PRIOR APPLICATION NUMBER: US 09/024,020
 FILING DATE: 16-FEB-1998
 FILING DATE: 16-FEB-1997
 FILING DATE: 16-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, JANET P.
 REGISTRATION NUMBER: 34,799
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 852-3097
 TELEFAX: (650) 855-5322
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS: 1:
 LENGTH: 5977 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: DNA (genomic)
 US-09-425-043-1

Query Match 14.4%; Score 16; DB 4; Length 5977;
 Best Local Similarity 100.0%; Pred. No. 2;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GTCTCTGTGTGGCTT 95
 DB 5814 GTCTCTGTGTGGCTT 5799

RESULT 15 US-09-024-020B-2/c
 Sequence 2: Application US/09024020B
 Patent No. 6030810
 GENERAL INFORMATION:
 APPLICANT: DELGADO, STEPHEN G.
 APPLICANT: DELGADO, STEPHEN S.
 APPLICANT: FISH, LINDA M.
 APPLICANT: HERMAN, RONALD C.
 APPLICANT: SANGAMESWARAN, LAKSHMI
 TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
 SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: JANET PAULINE CLARK
 STREET: 3401 HILLAVIEN AVENUE, MS A2-250
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/425,043
 FILING DATE: 16-FEB-1998
 PRIORITY INFORMATION:
 PRIOR APPLICATION NUMBER: US 09/024,020
 FILING DATE: 16-FEB-1998
 FILING DATE: 16-FEB-1997
 FILING DATE: 16-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: CLARK, JANET P.
 REGISTRATION NUMBER: 34,799
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 852-3097
 TELEFAX: (650) 855-5322
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS: 1:
 LENGTH: 5977 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: DNA (genomic)
 US-09-425-043-1

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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; PRIORITY INFORMATION:
; PRIORITY DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: HERMAN, RONALD C.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-5322
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6007 base pairs
; STRANDEDNESS: single
; TYPE: nucleic acid
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-024,020B-2

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Best Local Similarity 14.4%; Score 16; DB 3; Length 6007;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GTCTCTGTGTGCTCT 95
Db 5844 GTCTCTGTGTGCTCT 5829

RESULT 15
Sequence 1: 421,043-2/c
; Sequence 2: Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: HERMAN, STEPHEN G.
; APPLICANT: FRIEDMAN, ROBERT A.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA W.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: HERMAN, ROBERT A.
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; CHANNEL PROTEIN AND A SPICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; ADDRESS:
; ADDRESSOR: JANEET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE: 09/09/2003
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: HERMAN, RONALD C.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097

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; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6007 base pairs
; STRANDEDNESS: single
; TYPE: nucleic acid
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-425-043-2

Query Match
Best Local Similarity 100.0%; Score 16; DB 4; Length 6007;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GTCTCTGTGTGCTCT 95
Db 5844 GTCTCTGTGTGCTCT 5829

Search completed: October 29, 2003, 13:31:02
Job time : 64 secs

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TITLE OF INVENTION: Nucleic Acids and
 TITLE OF INVENTION: Polypeptides
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/552,317
 PRIOR FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/488,725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: FL_Science Version 1.0
 SEQ ID NO 651
 LENGTH: 3752
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/FEAT: CDS
 US-09-620-312D-651 (1..1596)

	Query Match	24.1% Score 26.8; DB 4; Length 3762;
Best Local Similarity	57.0%; Pred. No. 5;	
Matches 43	Conservative 0; Mismatches 37; Indels 0; Gaps 0;	
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Oy	1665	TGCTTTTAAGTCTGTTTTTCTTCTAGCTGAGCTTGTATCTCTGAAA 1724
Oy	74	TGCTGGGCTTCTTCTGCTGCTGACT 99
Db	1725	GCTCTTCTCTCTGGAAAGAGTCTGCT 1750

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1  RESULT 5
2  US-08-222-177A-4
3  US-08-222-177A-4 Application US/08222177A
4  Publication No. 5532976
5  Patent No. 5532976
6  GENERAL INFORMATION:
7  APPLICANT: Weber, James L.
8  INVENTOR: Weber, James L. POLYMORPHISMS IN
9  TITLE OF INVENTION: ADOPTING ADOPTING SEQUENCES AND METHODS OF USING SAME
10 NUMBER OF SEQUENCES: 460
11 CORRESPONDENCE ADDRESS:
12 GILBERTS, McWITT ROSE & Stevens, S.C.
13 STREET: 8100 Macarthur Drive, Suite 401
14 CITY: Madison
15 STATE: Wisconsin
16 COUNTRY: USA
17

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1 MEDIUM TYPE: Floppy disk
 2 COMPUTER: IBM PC compatible
 3 SOFTWARE: GENSTAT
 4 SOURCE: Patent in Release #1.0, Version #1.25
 5 CURRENT APPLICATION DATA:
 6 APPLICATION NUMBER: US/08/222.177A
 7 CLASSIFICATION: 435
 8 PRIOR APPLICATION DATA:
 9 APPLICATION NUMBER: US 07/341.562
 10 FILING DATE: 21-APR-1989
 11 INVENTOR: Charles S. Charles S.
 12 NAME: Charles S.
 13 REGISTRATION NUMBER: 30,492
 14 REFERENCE/DOCKET NUMBER: 09865,601
 15 TECHNICAL INFORMATION:
 16 TELEPHONE: 800-831-2106
 17 TELEFAX: (603) 831-2106
 18 TELEX:
 19 INFORMATION FOR SEQ ID NO: 4:
 20 CHARACTERISTICS:
 21 LENGTH: 176 bp
 22 TYPE: nucleic acid

STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORGANISM SOURCE: sapiens
 ORGANISM: Homo sapiens
 INDIVIDUAL ISOLATE: Caucasian
 TISSUE TYPE: Blood
 IMMEDIATE SOURCE:
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: 9
 FEATURE:
 NAME/KEY: repeat region
 LOCATION: 82,128
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 OTHER INFORMATION: /rpt_family="(dc-da)n.(dg-dt)n"
 OTHER INFORMATION: /citations=(12)
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 NAME/KEY: misc feature
 LOCATION: 58,76
 OTHER INFORMATION: /evidence=experimental
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 FEATURE:
 NAME/KEY: misc feature
 LOCATION: complement(131..150)
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 OTHER INFORMATION: /evidence=EXPERIMENTAL
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 OTHER INFORMATION: /citations=(11)
 FEATURE:
 NAME/KEY: misc feature
 DATE: 1990
 IDENTIFICATION METHOD: experimental
 OTHER INFORMATION: /evidence=EXPERIMENTAL
 OTHER INFORMATION: /evidence=EXPERIMENTAL
 OTHER INFORMATION: /standard_name="Only one strand sequenced"
 PUBLICATION INFORMATION:
 AUTHORS: Nay, P. E.
 TITLE: bincleotide repeat polymorphism at the D9S43
 TITLE: locus
 VOLUME: 44
 JOURNAL: J. Mol. Evol.
 PAGES: 2293-
 PUBLICATION INFORMATION:
 AUTHORS: Weber, James L.
 TITLE: Abundant Class of Human DNA Polymorphisms
 TITLE: Reaction: Be Typed Using the Polymerase Chain
 JOURNAL: Am. J. Hum. Genet.
 VOLUME: 44
 PAGES: 1986-1996
 DATE: 1986
 US-08-232-177A-4
 Query Match 23.64; Score 26.2; DB 1; Length 175;
 Best Local Similarity 63.5%; Frnd No. 5.3; Indels 0; Gaps 0;
 Matches 55; Conservative 0; Mismatches 0
 QY 2 TGGGATCTTTCCTTCAGAGATCTTTTCATCTTCAGGAGCTTCGGGCGG 61
 DB 13 TGGTCTTCGGTCTTTCAGATCTTTGAGTATGATCATCAGGATATCTG 72
 QY 62 AGTATGAAATCTCGGCTCTCTGCTGCTGCTGCTGCTGCTG 104
 DB 73 AGGATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 115
 RESULT 6
 US-08-666-367B-4/c
 Query Match 23.64; Score 26.2; DB 1; Length 175;
 Best Local Similarity 63.5%; Frnd No. 5.3; Indels 0; Gaps 0;
 Matches 55; Conservative 0; Mismatches 0
 QY 2 TGGGATCTTTCCTTCAGAGATCTTTTCATCTTCAGGAGCTTCGGGCGG 61
 DB 13 TGGTCTTCGGTCTTTCAGATCTTTGAGTATGATCATCAGGATATCTG 72
 QY 62 AGTATGAAATCTCGGCTCTCTGCTGCTGCTGCTGCTGCTG 104
 DB 73 AGGATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 115
 RESULT 6
 US-08-666-367B-4/c

Sequence 4, Application US/08666367B
 Patent No. 5854042
 GENERAL INFORMATION:
 APPLICANT: TSUTSI et al
 TITLE OF INVENTION: METHOD FOR PRODUCING THE SAME
 TITLE OF INVENTION: PRODUCING THE SAME
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 STREET: 805 Fifteenth Street, N.W., #700
 CITY: Washington
 STATE: D.C.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
 CURRENT APPLICATION DATA:
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA: /08/666,367B
 FILING DATE: August 19, 1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 ATTORNEY/AGENT INFORMATION:
 NAME: Warren M. Cheek, Jr.
 REGISTRATION NUMBER: 33,367
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-8850
 TELEFAX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1146
 TYPE: Nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: 1-1128 sialyltransferase in soluble
 OTHER INFORMATION: form
 US-08-666-367B-4
 Query Match 23.64; Score 26.2; DB 2; Length 1146;
 Best Local Similarity 63.5%; Frnd No. 5.3; Indels 0; Gaps 0;
 Matches 40; Conservative 0; Mismatches 23
 QY 19 TTCCAGATCTTTTCATCTTCAGGAGCTTCGGGCGGATGTAACCTG 78
 DB 840 TTCTGATGATGCTTCATCTTCAGGAGCTTCGGGCGGATGTAACCTG 781
 QY 79 GGT 81
 DB 780 GCT 778
 RESULT 7
 US-09-143-438-4/c
 Patent No. 623163
 GENERAL INFORMATION:
 APPLICANT: Shuichi TSUTSI et al
 TITLE OF INVENTION: METHOD FOR PRODUCING THE SAME
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
 STREET: 2035 K Street, N.W., #800

```

CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
COMPUTER: IBM compatible
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
SERIALING SYSTEM: MS-DOS
CURRENT APPLICATION DATA: 5.1
CURRENT APPLICATION NUMBER: US/09/143,438
FILING DATE: August 28, 1998
COUNTRY: USA
PRIORITY INFORMATION:
PRIORITY APPLICATION NUMBER: 08/666,367
FILING DATE: August 19, 1996
ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, A. Anders
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER: 33,367
TELEPHONE: (301) 309-8500
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1146
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: linear
ORGANISM: mouse
FEATURE INFORMATION: 1-1128 sialyltransferase in soluble form
OTHER INFORMATION: form
US-09-143-438-4
Query Match 23.6%; Score 26.2; DB 3; Length 1146;
Best Local Similarity 63.3%; Pred. No. 13;
Matches 37; Conservative 0; Mismatches 0; Gaps 0;
Db 9341 TCTATTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
10 TCTTTTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
Db 9341 TCTATTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
RESULT 9
US-09-397-787-254/c
Patent No. 6448,750
GENERAL INFORMATION:
APPLICANT: Benson, Darin R.
INVENTOR: Benson, Michael R.
ATTORNEY/AGENT INFORMATION:
NAME: King, Gordon E. L.
REGISTRATION NUMBER: 101,212
REFERENCE/DOCKET NUMBER: 101,212
CURRENT APPLICATION NUMBER: US/09/397,787
CURRENT FILING DATE: 1999-09-16
NUMBER OF SEQ ID NOS: 334
SEQUENCE CHARACTERISTICS:
LENGTH: 430
TYPE: DNA
ORGANISM: Homo sapien
FEATURE INFORMATION:
NAME/KEY: misc feature
LOCATION: (1)...(430)
OTHER INFORMATION: n = A,T,C or G
US-09-397-787-254
Query Match 23.4%; Score 26; DB 4; Length 430;
Best Local Similarity 70.0%; Pred. No. 4.3;
Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
Db 62 ATATGTTAAATCTCTGGTCTCTGGTGGCTGAGTGGCTCTCTACT 111
402 ATATCTAAGCTTCCCAAGTCTCCATGTCCTCTTGGGGGCTCTCT 353
RESULT 10
US-08-991-840A-1/c
Patent No. 6241,570
GENERAL INFORMATION:
APPLICANT: Michael D. Parker
INVENTOR: Jonathan P. Smith
ATTORNEY/AGENT INFORMATION:
NAME: Mark Steve Oberste
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER: 33,367
TELEPHONE: (301) 309-8500
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1146
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: linear
ORGANISM: mouse
FEATURE INFORMATION: 1-1128 sialyltransferase in soluble form
OTHER INFORMATION: form
US-09-143-438-4
Query Match 23.6%; Score 26.2; DB 3; Length 1146;
Best Local Similarity 63.3%; Pred. No. 13;
Matches 37; Conservative 0; Mismatches 0; Gaps 0;
Db 9341 TCTATTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
10 TCTTTTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
Db 9341 TCTATTCCTGAGAGATCTTTTCATCTTTGAGGAGCTCTTGAGGCGAGT 64
RESULT 9
US-09-397-787-254/c
Patent No. 6448,750
GENERAL INFORMATION:
APPLICANT: Benson, Darin R.
INVENTOR: Benson, Michael R.
ATTORNEY/AGENT INFORMATION:
NAME: King, Gordon E. L.
REGISTRATION NUMBER: 101,212
REFERENCE/DOCKET NUMBER: 101,212
CURRENT APPLICATION NUMBER: US/09/397,787
CURRENT FILING DATE: 1999-09-16
NUMBER OF SEQ ID NOS: 334
SEQUENCE CHARACTERISTICS:
LENGTH: 430
TYPE: DNA
ORGANISM: Homo sapien
FEATURE INFORMATION:
NAME/KEY: misc feature
LOCATION: (1)...(430)
OTHER INFORMATION: n = A,T,C or G
US-09-397-787-254
Query Match 23.4%; Score 26; DB 4; Length 430;
Best Local Similarity 70.0%; Pred. No. 4.3;
Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
Db 62 ATATGTTAAATCTCTGGTCTCTGGTGGCTGAGTGGCTCTCTACT 111
402 ATATCTAAGCTTCCCAAGTCTCCATGTCCTCTTGGGGGCTCTCT 353
RESULT 10
US-08-961-527-14/c
Sequence 34, Application US/08961527
Patent No. 6420,135
GENERAL INFORMATION:
APPLICANT: Vanech
INVENTOR: Vanech
ATTORNEY/AGENT INFORMATION:
NAME: Vanech, Michael
REGISTRATION NUMBER: 391
REFERENCE/DOCKET NUMBER: 391
CORRESPONDENCE ADDRESS:
STREET: 5410 West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
COMPUTER: HP Vectra 486/33
SERIALING SYSTEM: MSDOS version 6.2
SOFTWARE SCHEMA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527

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050

Qy	32	TTTCACCTTCCGAGGACTCTCGGGCCGGAGTAGTATGTAAJACTCTCTGGGTCTCTGTGTCT 91
Dd	1466	TTTGATCTCTCTAGTATTATTATCAGCAGGAATACATAAACGCCACACTATATGTATGT 1407
Qy	92	GCCTGAGTGG 101
Dd	1406	ACCTATGTGG 1397

PRESIDENT 13

[illegible]

PROJECT 6

RESULT 14
 : SEQ ID NO 21 991A-0143/C
 : Sequence 8143, Application US/09252991A
 : Patent No. 6551795
 : GENERAL INFORMATION: Pubmedfield at 31
 : TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 : TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 : FILE REFERENCE: 107196.136
 : CURRENT APPLICATION NUMBER: US/09/252,991A
 : PRIORITY DATE: 1998-02-18
 : PRIOR APPLICATION NUMBER: US 56/074,768
 : PRIOR FILING DATE: 1998-02-18
 : PRIOR APPLICATION NUMBER: US 56/094,190
 : PRIORITY DATE: 1998-04-27
 : NUMBER OF SEQ ID NOS: 33142
 : SEQ ID NO 8143
 : LENGTH: 1245
 : TYPE: DNA
 : COMMENT: Pseudomonas aeruginosa
 : US-09-252-991A-8143

Qy	82	C	T	C	T	G	T	G	T	G	C	T	G	A	G	T	G	C	102
Db	964	C	C	C	C	T	G	A	A	T	C	T	C	A	G	G	C	944	

RESULT 15
 US-09-252-991A-8211/c
 ; Sequence 8211, Application US/09252991A
 ; Patent No. 6511795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.

Search completed: October 29, 2003, 13:21:40
Job time : 56 sec

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 29, 2003, 14:42:32 Search time 65 Seconds
(without alignments)
2689,012 Million Cell updates/sec

Title: US-09-513-999c-3792_COPY_51_446

Perfect score: 396 (without alignments)
Sequences: 1 afggggagctcttgcttgcctt.....gmcggcgatttcagtgga 396

Scoring table: OIIOO NUC

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size: 0

Total number of hits satisfying chosen parameters: 1119956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: 1: Issued Patents NA.*
2: /cgn2_e/prodata2/ina/5A COMB seq.*
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4: /cgn2_e/prodata2/ina/5A COMB seq.*
5: /cgn2_e/prodata2/ina/5B COMB seq.*
6: /cgn2_e/prodata2/ina/backfileal.seq.*

Pred. No. is the number of results predicted by chance to have a
total score of at least the observed score. The results are printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 2	18	4.5	430	4	US-09-397-281-254
C 3	18	4.5	75395	4	US-09-384-890-3
C 4	17	4.3	1001	4	US-09-671-117-307
C 5	17	4.3	1001	4	US-09-671-117-307
C 6	17	4.3	1001	4	US-09-671-117-333
C 7	17	4.3	1001	4	US-09-671-117-340
C 8	17	4.3	1118	4	US-09-452-238-37
C 9	17	4.3	1118	4	US-09-452-238-37
C 10	17	4.3	1381	4	US-09-858-207A-108
C 11	17	4.3	1509	1	US-08-115-052-1
C 12	17	4.3	4686	4	US-09-228-986-3
C 13	17	4.3	1453	4	US-09-120-125-26
C 14	17	4.3	1453	4	US-09-120-125-26
C 15	17	4.3	40328	3	US-08-743-182-102
C 16	16	4.0	36	3	US-08-910-722-7
C 17	16	4.0	42	4	US-08-910-722-5
C 18	16	4.0	42	4	US-08-910-722-5
C 19	16	4.0	57	1	US-08-487-031-17
C 20	16	4.0	57	1	US-08-480-810-17
C 21	16	4.0	57	1	US-08-508-735-17
C 22	16	4.0	57	2	US-08-488-251-17
C 23	16	4.0	57	2	US-08-488-251-17
C 24	16	4.0	57	3	US-09-120-130-17
C 25	16	4.0	57	3	US-09-115-252-17
C 26	16	4.0	57	3	US-08-986-515-17
C 27	16	4.0	57	3	US-09-120-128-17

C 28 16 4.0 57 3 US-09-120-128-17
C 29 16 4.0 57 3 US-09-120-128-17
C 30 16 4.0 57 3 US-09-120-128-17
C 31 16 4.0 384 4 US-09-134-001C-1752
C 32 16 4.0 471 1 US-08-487-031-17
C 33 16 4.0 471 1 US-08-487-031-17
C 34 16 4.0 471 1 US-08-480-810-17
C 35 16 4.0 471 1 US-08-508-735-17
C 36 16 4.0 471 2 US-08-488-031-17
C 37 16 4.0 471 2 US-08-488-031-17
C 38 16 4.0 471 3 US-09-120-130-17
C 39 16 4.0 471 3 US-09-115-252-17
C 40 16 4.0 471 3 US-08-986-515-17
C 41 16 4.0 471 3 US-09-120-128-17
C 42 16 4.0 471 3 US-09-120-128-17
C 43 16 4.0 471 3 US-09-201-139-17
C 44 16 4.0 471 3 US-09-120-131-17
C 45 16 4.0 501 4 US-09-494-398A-13

ALIGNMENTS

RESULT 1
US-08-066-281-1
Sequence 1, Appl
Patent No. 5376531
GENERAL INFORMATION:
APPLICANT: MacLaren, No. 5376531 K.
TITLE OF INVENTION: Methods and Compositions for the Detection of
TITLE OF INVENTION: Addition's Disease
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS: SALIMANCHIK
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: PatmIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/066,281
FILING DATE: 19930521
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT NAME: David R.
REGISTRATION NUMBER: 31794
REFERENCE/DOCKET NUMBER: US/848-1332
TELEPHONE: 9047258100
TELEFAX: 9047275800
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 bases
STRAND: single
TOPOLOGY: linear
MOLECULAR TYPE: DNA (synthetic)
US-08-066-281-1

Query Match 4.5%; Score 18; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 18; Conservative 0; Mismatch 0; Indels 0; Gaps 0;

QY 288 TCCATGCTGCTCTGGCC 305

DB 8 TCCATGCTGCTCTGGCC 25

US-09-397-787-254

db
273 GGGTTCAGAGATCTGTG 256

OTHER INFORMATION: U = R, I, C OF U
UUS-09-984-890-3

Db 60715 CTGGAGGTGGGGCTTTT 6069

; sequence 307, Application US/096713
; Patent No. 6528260

OTHER INFORMATION: 12-120-ZZZ POTENTIAL
US-09-671-317-307

969 TTTTGGCTCCATGCTG 985

PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: US 60/131.961

Query Match 4.3%; Score 17; DB 4; Length 1001;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels

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QY 280 TTTTGGCTTGGCTG 296
Db 317 TTTTGGCTTGGCTG 333

RESULT 8
US-09-452-239-37
Sequence 37, Application US/09452239
Patent No. 6465239
GENERAL INFORMATION:
APPLICANT: Rafalski, Antoni J.
APPLICANT: Feder, Gary M.
APPLICANT: Cahoon, Rebecca E.
TITLE OF INVENTION: Plant Caffeyol-CCA O-Methyltransferase
CURRENT FILING DATE: 1999-12-01
EARLIER APPLICATION NUMBER: 60/110,594
NUMBER OF SEQ ID NOS: 508-December-02
SOFTWARE: Microsoft Office 97
SEQ ID NO 37
TYPE: DNA
ORGANISM: Triticum aestivum
US-09-452-239-37
Query Match 4.3%; Score 17; DB 4; Length 1118;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Gaps 0;

QY 273 GCGTTTTTTTTGGCTC 289
Db 971 GCGTTTTTTTTGGCTC 987

RESULT 9
US-09-452-239-3
Sequence 3, Application US/09452239
GENERAL INFORMATION:
APPLICANT: Rafalski, Antoni J.
APPLICANT: Feder, Gary M.
APPLICANT: Cahoon, Rebecca E.
TITLE OF INVENTION: Plant Caffeyol-CCA O-Methyltransferase
FILE REFERENCE: B1284 US NA
CURRENT APPLICATION NUMBER: US/09452,239
EARLIER APPLICATION NUMBER: 60/110,594
EARLIER FILING DATE: 1998-December-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Microsoft Office 97
SEQ ID NO 3
LENGTH: 1146
TYPE: DNA
ORGANISM: Zea mays
US-09-452-239-3
Query Match 4.3%; Score 17; DB 4; Length 1146;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Gaps 0;

QY 273 GCGTTTTTTTTGGCTC 289
Db 976 GCGTTTTTTTTGGCTC 992

RESULT 10
US-08-858-207A-108/c
Sequence 10, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Kucharski, David A.
APPLICANT: Stodola, Robert
TITLE OF INVENTION: No. 6348328el Compounds
SEQUENCE NO: 52
COMPUTER-READABLE ADDRESS:
STREET: 709 Swedekline Beecham Corporation
CITY: king of Prussia
COUNTRY: USA
ZIP: 19406-0919
COMPUTER READABLE FORM:
SEQUENCE NO: 52
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION NUMBER: US/08/858,207A
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PUBLICATION NO: 6348328
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Simon, Richard M.
ADDRESS: 300 N. 10th St.
CITY: New York, NY 10011
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
FAX: 610-270-5036
TELEX:
INFORMATION FOR SEQ ID NO: 108:
SEQUENCE CHARACTERISTICS:
SEQUENCE NO: 108
LENGTH: 1146
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-858-207A-108
Query Match 4.3%; Score 17; DB 4; Length 1381;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Gaps 0;

QY 323 CATTTCCTTCATTC 339
Db 295 CATTTCCTTCATTC 279

RESULT 11
US-08-115-052-1
Sequence 11, Application US/08115052
Patent No. 5705400
GENERAL INFORMATION:
APPLICANT: Furmaniak-Mehr, Jadwiga Maria
APPLICANT: Furmaniak, Leszley for Adrenal Alcantigen
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: 10000 1st Street N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTA in the case #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/115,052
FILING DATE: 02-SEP-1993

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289 CCATGCTGCTCCTGGC 305

RESULT 15
 US-08-743-185-102
 ; Sequence 102, Application US/08742185
 ; Patent No. 6020476
 ; TITLE INVENTION: GENOME
 ; APPLICANT: Page, David C.
 ; APPLICANT: Reijo, Rense
 ; APPLICANT: Saxena, Richa
 ; APPLICANT: Rankins, Trevor
 ; APPLICANT: Rankins, Trevor
 ; APPLICANT: Rankins, Trevor
 ; TITLE OF INVENTION: DAZ, A GENE FAMILY ASSOCIATED WITH AZOOSPERMIA
 ; NUMBER OF SEQUENCES: 102
 ; CORRESPONDENCE ADDRESS:
 ; STREET: Two Millwaite Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: US
 ; ZIP: 01840
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; RELEASE DATE: 1998-01-01
 ; CURRENT APPLICATION DATA: Release #1.0, Version #1.30

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: IBM Compatible
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/032,523
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0479 US
 TELEPHONE: 650-845-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 349 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: PANTU01
 CLONE: 151515
 US-09-032-523-3

Query Match 29.0%; Score 56; DB 3; Length 349;
 Best Local Similarity 41.4%; Pred. No. 3.6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGLGLGPEVVLGLCV 30
 DB 132 GGSFSLQVGTGSLGSGIGADQVSGLTV 160

RESULT 3
 US-08-208-007A-13
 Patent No. 5501969
 GENERAL INFORMATION:
 APPLICANT: HASTINGS, ET AL.
 INVENTOR: HASTINGS, Human Osteoclast-Derived Cathepsin
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
 ADDRESSEE: CECCHI, STEWART
 CITY: NEW YORK
 STATE: NEW JERSEY
 COUNTRY: USA
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/208,007A
 FILING DATE: March 8, 1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: No. 5501969e
 FILING DATE: No. 5501969e
 ATTORNEY/AGENT INFORMATION:
 NAME: CECCHI, STEWART
 REGISTRATION NUMBER: 36,134
 REFERENCE/DOCKET NUMBER: 325800-95
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 396 amino acids
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN
 US-08-208-007A-13

Query Match 29.0%; Score 56; DB 1; Length 396;
 Best Local Similarity 41.4%; Pred. No. 4.1; Mismatches 12; Conservative 6; Mismatches 0; Gaps 0;

QY 2 GGSFALQDSFSSGLGLGPEVVLGLCV 30
 DB 132 GGSFSLQVGTGSLGSGIGADQVSGLTV 160

RESULT 4
 US-09-032-523-9
 Patent No. 5501969
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 INVENTOR: Bandman, Olga
 APPLICANT: Guehler, Karl
 INVENTOR: Guehler, Karl
 APPLICANT: Guehler, Karl
 INVENTOR: Guehler, Karl
 TITLE OF INVENTION: HUMAN PROTEINASE MOLECULES
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/032,523
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0479 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-845-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 396 amino acids
 TYPE: AMINO ACID
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 181894
 US-09-032-523-9

Query Match 29.0%; Score 56; DB 3; Length 396;
 Best Local Similarity 41.4%; Pred. No. 4.1; Mismatches 12; Conservative 6; Mismatches 0; Gaps 0;

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QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 5
US-08-915-095A-13
; Sequence 13, Application US/08915095A
; BEST LOCAL SIMILARITY 41.4%; Pred. No. 4.1;
; Mismatches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
; APPLICANT: Hastings, et al.
; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN
; CURRENT FILING DATE: 1997-08-20
; PRIOR APPLICATION NUMBER: US/08/915,095A
; CURRENT FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.1
; LENGTH: 396
; TYPE: PRN
; ORGANISM: Homo sapiens
US-08-915-095A-13
Query Match 29.0%; Score 56; DB 4; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 6
US-08-798-095-13
; Sequence 13, Application US/08798096
; BEST LOCAL SIMILARITY 41.4%; Pred. No. 4.1;
; Mismatches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
; APPLICANT: Hastings, et al.
; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN
; CURRENT FILING DATE: 1997-02-12
; PRIOR APPLICATION NUMBER: US/08/798,096
; CURRENT FILING DATE: 1997-02-12
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.1
; LENGTH: 396
; TYPE: PRN
; ORGANISM: Homo sapiens
US-08-798-095-13
Query Match 29.0%; Score 56; DB 4; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 7
US-08-798-095A-13
; Sequence 13, Application US/08798095A
; BEST LOCAL SIMILARITY 41.4%; Pred. No. 4.1;
; Mismatches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
; APPLICANT: Hastings, et al.
; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN
; CURRENT FILING DATE: 1997-02-12
; PRIOR APPLICATION NUMBER: US/08/798,095A
; CURRENT FILING DATE: 1997-02-12
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.1
; LENGTH: 396
; TYPE: PRN
; ORGANISM: Homo sapiens
US-08-798-095A-13
Query Match 29.0%; Score 56; DB 4; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 8
US-09-953-956-13
; Sequence 13, Application US/09953956
; BEST LOCAL SIMILARITY 41.4%; Pred. No. 4.1;
; Mismatches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
; APPLICANT: Hastings, et al.
; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/06/953,956
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: 09/219,441
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.1
; LENGTH: 396
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-953-956-13
Query Match 29.0%; Score 56; DB 4; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 9
US-08-553-125A-13
; Sequence 13, Application US/08553125A
; BEST LOCAL SIMILARITY 41.4%; Pred. No. 4.1;
; Mismatches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
; APPLICANT: Hastings, et al.
; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN
; CURRENT FILING DATE: 1995-11-07
; PRIOR APPLICATION NUMBER: US/08/553,125A
; CURRENT FILING DATE: 1995-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.1
; LENGTH: 396
; TYPE: PRN
; ORGANISM: Homo sapiens
US-08-553-125A-13
Query Match 29.0%; Score 56; DB 4; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSGGLGQFVVLGVCY 30
DB 132 QGSFSGYGTGSLGIIAGQVSEGLTV 160

RESULT 10
US-08-477-451-13
; Sequence 12, Application US/08477451

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; Patent No. 592865
; GENERAL INFORMATION:
; APPLICANT: AT&T Knowledge Ventures, L.P., Antonello
; TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
; NUMBER OF SEQUENCES: 46
; SOFTWARE: IBM PC compatible
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AT&T Knowledge Ventures, L.P.
; ADDRESS: 1915 N. Zeeb Road
; CITY: Meriden, CT
; STATE: CT
; COUNTRY: USA
; ZIP: 06450-1616
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,451
; FILING DATE: 07-JUN-1995
; PRIORITY DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2708
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE LENGTH: 1720
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-477-451-12

Query Match 28 04; Score 54; DB 2; Length 1720;
Best Local Similarity 35.51; Pred. No. 15;
Matches 15; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

QY 2 GSPALQDSFSSQLGLGGEVYKLVGLVCVLSG 34
DB 1109 GFFFTGTSIFVGFGLSG---FLKGLCLNG 1137

RESULT 11
US-09-061-337-12
; Sequence 12, Application US/09061337
; Patent No. 5985540
; GENERAL INFORMATION:
; APPLICANT: Tan, Yuyang
; TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
; TITLE OF INVENTION: BIOLOGICAL SAMPLES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/122,129
; FILING DATE: 24 July 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/899,776
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/918,214
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/941,921
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,609
; FILING DATE: 17-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/061,337

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; APPLICATION NUMBER: US 08/899,776
; FILING DATE: 24-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/918,214
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/941,921
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,609
; FILING DATE: 17-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/061,337

Query Match 26.74; Score 51.5; DB 2; Length 396;
Best Local Similarity 37.54; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

QY 1 MGGS--PALQDSFSSQLGLGGEVYKLVGLVCVLSG 37
DB 307 MGSMITFLKSGFEAKLL--ENLKLTLAVLSGCS 344

RESULT 12
US-09-122-129-12
; Sequence 12, Application US/09122129
; Patent No. 599191
; GENERAL INFORMATION:
; APPLICANT: Tan, Yuyang
; TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
; TITLE OF INVENTION: BIOLOGICAL SAMPLES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/122,129
; FILING DATE: 24 July 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/899,776
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/918,214
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/941,921
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,609
; FILING DATE: 17-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/061,337

```

FILING DATE: 17-APRIL-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Donahue, E. Victor
 REGISTRATION NUMBER: 35,492
 FILING DATE: 19-NOV-1997
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 887-1546
 TELEFAX: (202) 887-0763
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 396 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-122-129-12

Query Match 26.7%; Score 51.5; DB 2; Length 396;
 Best Local Similarity 37.5%; Pred. No. 19;
 Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;
 1 MGSS--FALQSSSSLOGLQGVKLVGLGVCVSGCST 37
 307 MGSSMTIFLKSFEQAKLL--DNKLITLVLSGECES 344

RESULT 13
 US-09-340-991-12

Sequence 12, Application US/09340991
 Patent No. 6066467
 FILING DATE: 24-JUL-1997
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Tan, Yuying
 NAME: Lenz, Martin
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
 NUMBER OF SEQUENCES: 14
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 STREET: MORRISON & FORSTER
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1888
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/340,991
 FILING DATE: 24 JULY 1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/899,776
 FILING DATE: 24-JUL-1997
 PRIOR APPLICATION DATA: US 08/918,214
 FILING DATE: 25-AUG-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/941,921
 FILING DATE: 19-NOV-1997
 PRIOR APPLICATION DATA: US 09/061,337
 FILING DATE: 17-APRIL-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Donahue, E. Victor
 REGISTRATION NUMBER: 35,492
 FILING DATE: 19-NOV-1997
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 887-1546

TELEFAX: (202) 887-0763
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 396 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-340-991-12

Query Match 26.7%; Score 51.5; DB 3; Length 396;
 Best Local Similarity 37.5%; Pred. No. 19;
 Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;
 1 MGSS--FALQSSSSLOGLQGVKLVGLGVCVSGCST 37
 307 MGSSMTIFLKSFEQAKLL--DNKLITLVLSGECES 344

RESULT 14
 US-08-974-609-12

Sequence 12, Application US/08974609
 Patent No. 6140102
 FILING DATE: 24-JUL-1997
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Tan, Yuying
 NAME: Lenz, Martin
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
 NUMBER OF SEQUENCES: 14
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 STREET: MORRISON & FORSTER
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1888
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,609
 FILING DATE: 24 JULY 1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/941,921
 FILING DATE: 19-NOV-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Donahue, E. Victor
 REGISTRATION NUMBER: 35,492
 FILING DATE: 19-NOV-1997
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 887-1500
 TELEFAX: (202) 822-0168
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 396 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-974-609-12

Query Match 26.7%; Score 51.5; DB 3; Length 396;
 Best Local Similarity 37.5%; Pred. No. 19;
 Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;
 1 MGSS--FALQSSSSLOGLQGVKLVGLGVCVSGCST 37
 307 MGSSMTIFLKSFEQAKLL--DNKLITLVLSGECES 344

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RESULT 15
US-09-549-098-12
Sequence 12, Application US/09549098
Accession No. 4646877
GENERAL INFORMATION:
APPLICANT: Tan, Yuying
APPLICANT: Lenz, Martin
TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
NUMBER OF SEQUENCES: 19
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
CITY: Washington
STATE: DC
COUNTRY: USA
PRIORITY: 2006-1888
COMPUTER: IBM PC compatible
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/549,098
FILING DATE:
FILING DATE:
PRIORITY:
PRIORITY:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/340,991
FILING DATE:
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/918,214
FILING DATE: 25-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/941,921
FILING DATE: 19-NOV-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/974,609
FILING DATE: 19-NOV-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/061,337
FILING DATE: 17-APRIL-1998
ATTORNEY/AGENT INFORMATION:
NAME: Donahue, Victor
REGISTRATION NUMBER: 492
REFERENCE/DOCKET NUMBER: 312762001322
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1546
TELEPHONE: (202) 887-0763
TELEX: 90-1030
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-549-098-12
Query Watch 26.7%; Score 51.5; DB 4; Length 396;
Best Local Similarity 37.5%; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;
QY 1 MGSS--PALQDSFSLQGLQPEYVWLLGVCVCGSGST 37
DB 307 MGSSMTIFLKSGFGFKLL--DNLKLTILVSLGSGES 344

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Search completed: October 29, 2003, 12:05:36
Job time : 29 secs